



NaPro-3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Gregory D. May et al.
Application No.: 10/082,476 Confirmation No.: 4408
Filed : February 20, 2002
For : CELL-FREE ASSAY FOR PLANT GENE TARGETING
AND CONVERSION
Group Art Unit : 1632

New York, New York
May 22, 2002

Box Sequence

Hon. Commissioner for Patents
P.O. Box 2327
Arlington, VA 22202

SUPPLEMENTAL PRELIMINARY AMENDMENT

Sir:

Prior to issuing a first Office Action in the above-identified application, please amend the application as follows:

IN THE SPECIFICATION

Please enter into the application the Sequence Listing enclosed herewith in paper and computer-readable form.

Please replace paragraphs [0016] and [0018] with the following two replacement paragraphs:*

* Pursuant to 37 C.F.R. § 1.121(b)(iii), a marked up version of the replacement paragraphs showing all changes is enclosed.

[0016] Fig. 3 depicts the correction of the 4021 kan mutation. The targeted plasmid and sequence are displayed (SEQ ID NO: 2, wild-type; SEQ ID NO: 3, mutant; SEQ ID NO: 4, converted), as well as the DNA sequence of the resulting clones exhibiting resistance to kanamycin (Kan4021(-), SEQ ID NO: 33; Kan4021 C Maize, SEQ ID NO: 14; Kan4021C Musa, SEQ ID NO: 15; Kan4021C Tobacco, SEQ ID NO: 16; and Kan4021C Tobacco, 4021 mix, SEQ ID NO: 17). The indicated extract is listed in the left side of the panel, and the altered base from the coding strand of the target is positioned vertically down the page. Without treatment, the G residue is observed. The chimeric oligonucleotide used in the reaction is listed with the source of the cell-free extract. The term "4021 mix" indicates the presence of a multiple base readout at the target site, in this case printed as an "N" within the sequence.

[0018] Fig. 5 depicts the correction of the 208 tet mutation. Plasmid pTs)208 contains a frameshift mutation at nucleotide position 208 (note triangular marker in mutant sequence listing). Sequence data from resistant colonies resulting from treatment with the indicated cell-free extract are displayed with the targeted site of the inserted base C (wild-type, SEQ ID NO: 10; mutant, SEQ ID NO: 11; converted, SEQ ID NO:12; Tet)208(-), SEQ ID NO: 34; Tet208C Maize, SEQ ID NO:28; Tet208C Musa, SEQ ID NO:29; Tet208C Tobacco, SEQ ID NO:30; Tet208C Tobacco, 208 mix, SEQ ID NO:31; and Tet208C Tobacco, 214 insertion, SEQ ID NO:32). The term "208 mix" refers to the presence of multiple peaks appearing in the sequence at the site of insertion, here depicted by an "N". In the last panel, nucleotide position 214, the next to the last base, depicts the non-specific insertion of a C residue at that site.

REMARKS

Amendments to the specification

Applicants have amended the specification to insert the Sequence Listing. Applicants have further amended the specification to correct SEQ ID NOs: in compliance with 37 C.F.R. § 1.821 et seq.

No new matter has been added.

Respectfully submitted,



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